

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P600885

Luminaire Tested: **8SLSTPSLC-UNV-MID-5000K**

Issue Date: 7/7/2022



Test Information

Test Method: LM-79-08
Report Number: P600885
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (220317012-01-002)
Test Lab: INNOVATION CENTER
Issue Date: 7/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SLSTPSLC-UNV-MID-5000K
Description: G3 8ft 8SLSTPSLC-UNV 60W at 5000K
Light Source: -
Ballast/Driver: -

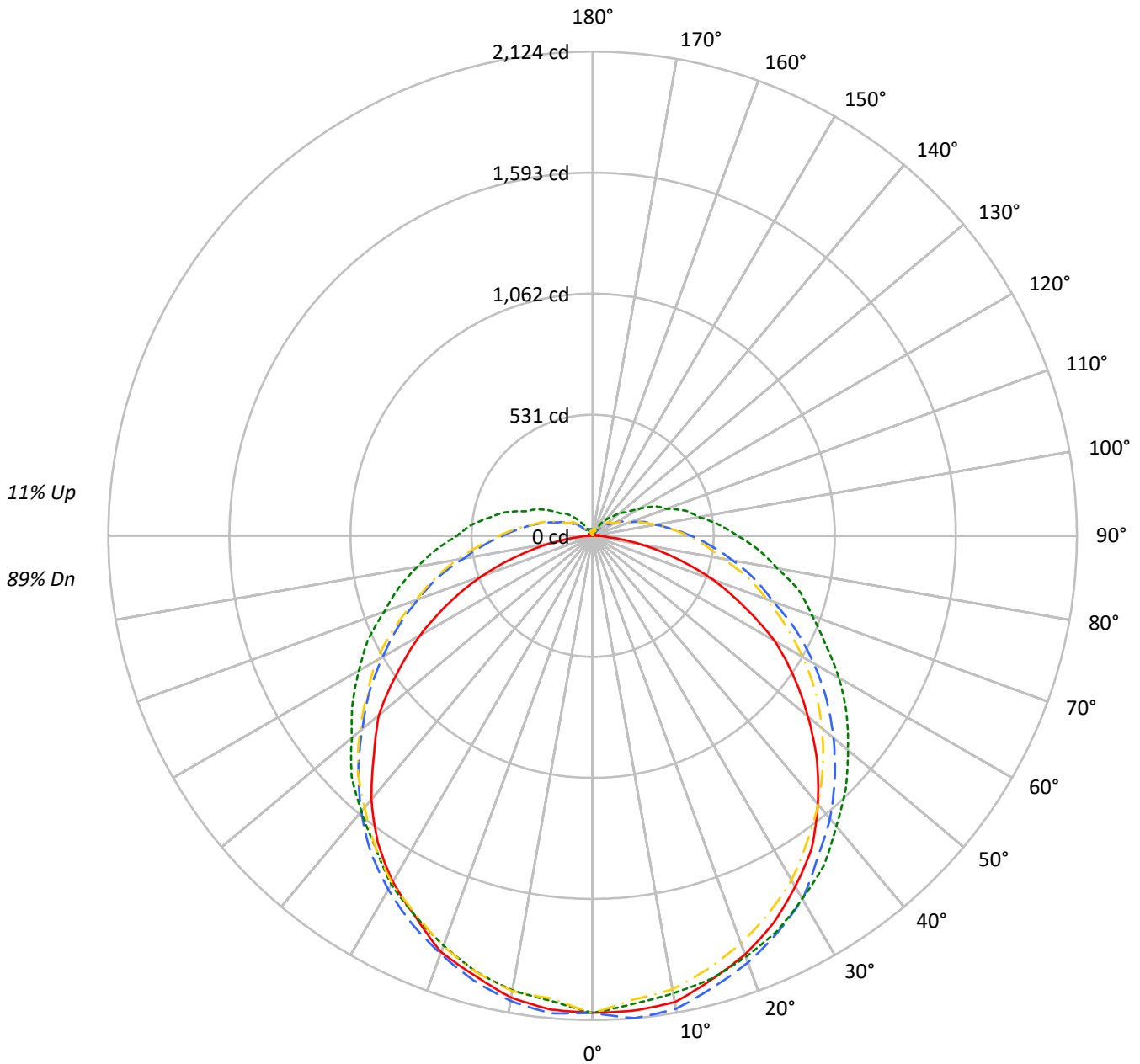
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7901.1 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.22' x L: 8' x H: 0.22')
CIE Type: Semi-Direct

Input Watts (W): 64.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89				89
1	104	98	93	88	100	95	90	86	88	85	81	83	80	77	77	75	73	70				70
2	94	84	77	70	90	82	75	69	76	70	65	71	66	62	66	63	59	56				56
3	85	73	65	58	81	71	63	56	66	60	54	62	56	52	58	53	49	47				47
4	77	65	55	48	74	63	54	47	59	51	45	55	49	44	52	46	42	39				39
5	71	58	48	41	68	56	47	40	52	45	39	49	43	38	46	41	36	34				34
6	65	52	42	36	63	50	41	35	47	40	34	44	38	33	42	36	32	29				29
7	61	47	38	31	58	45	37	31	43	35	30	40	34	29	38	32	28	26				26
8	56	42	34	28	54	41	33	27	39	32	27	37	30	26	35	29	25	23				23
9	53	39	31	25	51	38	30	24	36	29	24	34	28	23	32	27	22	20				20
10	49	36	28	22	47	35	27	22	33	26	22	31	25	21	30	24	20	18				18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13062	13062	13062	13062
5°	13069	11871	13043	11800
10°	13102	10976	12976	10903
15°	12933	10246	12814	10080
20°	12857	9564	12783	9307
25°	12755	8977	12527	8634
30°	12611	8392	12441	8064
35°	12527	7912	12287	7448
40°	12246	7357	12025	6981
45°	11960	6919	11648	6588
50°	11594	6466	11518	6099
55°	11285	6085	10938	5753
60°	10991	5691	10423	5395
65°	10197	5280	9660	5104
70°	9492	4976	8775	4720
75°	8169	4778	7315	4472
80°	6580	4415	5692	4191
85°	3770	4212	3299	3947



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.0	2.5
10°-20°	568.1	7.2
20°-30°	865.8	11.0
30°-40°	1059.0	13.4
40°-50°	1128.1	14.3
50°-60°	1076.6	13.6
60°-70°	926.5	11.7
70°-80°	713.5	9.0
80°-90°	498.1	6.3
90°-100°	339.1	4.3
100°-110°	225.7	2.9
110°-120°	141.6	1.8
120°-130°	84.0	1.1
130°-140°	43.6	0.6
140°-150°	17.1	0.2
150°-160°	9.4	0.1
160°-170°	5.6	0.1
170°-180°	1.4	0.0
0°-30°	1631.8	20.7
0°-40°	2690.8	34.1
0°-60°	4895.5	62.0
0°-90°	7033.6	89.0
90°-120°	706.4	8.9
90°-150°	851.1	10.8
90°-180°	867.0	11.0
0°-180°	7901.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2092	2092	2092	2092	2092	
5°	2091	2061	2086	2048	2091	199
15°	2016	2012	1997	1979	2016	570
25°	1875	1913	1842	1840	1875	864
35°	1675	1768	1643	1664	1675	1044
45°	1391	1570	1355	1495	1391	1072
55°	1077	1360	1044	1286	1077	964
65°	730	1126	692	1089	730	728
75°	373	940	334	880	373	400
85°	69	733	60	687	69	91
90°	17	637	7	594	17	18
95°	30	556	0	535	30	11
105°	4	424	9	398	4	4
115°	8	306	15	275	8	9
125°	10	179	8	170	10	9
135°	13	115	8	113	13	9
145°	11	74	11	9	11	6
155°	8	5	4	15	8	3
165°	9	21	12	27	9	3
175°	13	6	7	17	13	1
180°	13	13	13	13	13	



TEST NUMBER: P600885

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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2092.5	2092.5	2092.5	2092.5	2092.5	2092.5	2092.5	2092.5	2092.5	2092.5	2092.5
5°	2090.6	2108.7	2056.1	2124.1	2117.3	2093.7	2060.7	2069.7	2075.6	2042.1	2084.7
10°	2077.0	2073.8	2029.9	2106.9	2090.1	2069.7	2038.0	2055.2	2047.1	2019.9	2065.2
15°	2015.8	2041.6	2005.4	2049.3	2051.1	2045.3	2011.7	2009.5	2002.2	1964.6	2018.5
20°	1954.6	1969.6	1945.1	1992.2	2004.0	2004.9	1965.5	1959.2	1944.2	1902.5	1935.6
25°	1875.3	1889.4	1868.6	1919.8	1922.9	1928.4	1913.0	1873.1	1873.5	1827.8	1849.1
30°	1777.0	1792.0	1772.9	1841.4	1848.2	1846.8	1838.6	1813.3	1799.7	1744.4	1767.1
35°	1675.1	1677.3	1691.4	1720.8	1751.2	1769.3	1767.5	1731.7	1710.0	1639.7	1634.8
40°	1536.9	1545.0	1572.2	1619.8	1641.6	1659.7	1662.8	1641.6	1600.8	1538.7	1519.2
45°	1391.4	1401.0	1454.9	1502.0	1537.8	1574.5	1570.0	1540.5	1504.3	1428.6	1390.5
50°	1232.4	1251.9	1317.1	1378.8	1430.0	1451.7	1461.7	1437.2	1388.3	1312.6	1236.5
55°	1077.0	1094.7	1184.8	1252.8	1305.4	1352.9	1360.2	1323.9	1267.8	1193.4	1092.4
60°	921.6	937.4	1020.4	1119.6	1184.4	1243.3	1247.8	1225.6	1136.4	1063.4	960.1
65°	730.4	792.9	879.0	985.0	1059.8	1145.9	1126.4	1106.9	1035.8	934.3	809.2
70°	558.7	619.4	729.5	841.4	958.7	1023.5	1024.0	1007.7	931.1	812.4	686.0
75°	372.9	470.8	601.7	736.3	848.6	916.2	939.7	902.6	805.6	702.7	547.8
80°	211.1	296.3	471.2	624.4	734.0	798.8	821.5	802.9	698.2	576.8	443.1
85°	68.9	204.3	363.4	522.9	641.1	720.4	733.1	690.1	620.3	498.4	328.0
90°	16.8	117.4	274.6	431.8	543.3	615.3	636.6	613.5	534.2	416.8	251.9
95°	30.4	83.4	216.1	344.8	468.5	526.9	555.9	541.4	457.6	344.3	207.5
100°	2.3	34.4	159.0	280.5	392.8	455.4	473.0	469.4	393.7	277.3	150.4
105°	3.6	48.9	110.6	235.6	322.1	401.9	424.1	392.8	321.7	223.4	99.2
110°	7.2	25.4	73.9	173.1	275.5	333.0	345.7	331.7	271.4	179.0	84.3
115°	7.7	20.8	74.3	149.5	211.6	271.9	305.8	257.4	203.9	145.0	76.6
120°	13.1	22.2	57.5	115.5	184.4	195.7	236.1	218.4	166.7	112.4	63.0
125°	10.0	19.0	54.4	90.2	130.0	171.7	179.4	173.5	142.7	95.6	45.8
130°	6.8	22.7	36.2	67.5	120.1	152.7	153.6	143.2	113.7	94.2	24.5
135°	13.1	19.9	27.6	53.9	99.2	113.7	114.6	116.0	95.1	69.3	19.5
140°	15.0	18.6	19.5	26.7	64.3	88.8	94.7	81.1	82.9	40.8	21.7
145°	11.3	21.7	32.2	17.7	33.5	69.3	74.3	77.9	51.7	13.6	29.0
150°	0.0	19.5	36.2	22.2	20.4	15.4	22.7	20.4	11.8	25.4	39.0
155°	7.7	6.8	30.8	22.2	24.5	10.9	5.4	18.1	16.8	26.7	30.4
160°	8.2	8.6	11.8	14.0	25.4	25.8	28.5	40.8	26.3	30.8	11.8
165°	9.1	15.9	10.0	13.1	28.1	15.0	20.8	32.6	21.3	11.8	21.7
170°	9.1	17.2	3.6	5.0	14.0	10.4	25.8	16.8	23.1	15.0	10.4
175°	12.7	17.7	12.7	11.3	23.6	19.0	6.3	1.4	13.6	29.5	0.0
180°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9



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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2092.5	2092.5	2092.5	2092.5	2092.5	2092.5	2092.5	2092.5	2092.5	2092.5	2092.5
5°	2064.7	2086.5	2104.6	2071.5	2102.8	2106.4	2103.7	2048.4	2074.3	2070.2	2037.6
10°	2053.9	2057.0	2067.0	2031.2	2072.0	2076.5	2082.4	2024.4	2045.3	2052.1	2028.0
15°	1989.5	1997.2	2026.7	1981.4	2018.5	2028.9	2028.9	1979.1	2005.4	1991.8	1980.5
20°	1947.8	1943.3	1956.0	1922.9	1951.0	1955.1	1979.6	1912.5	1956.0	1951.9	1915.2
25°	1853.6	1841.8	1853.6	1853.6	1877.2	1892.1	1911.1	1840.0	1888.9	1875.8	1832.8
30°	1767.5	1753.0	1757.1	1763.4	1792.4	1800.6	1837.3	1766.6	1809.6	1794.2	1758.9
35°	1652.4	1642.9	1639.7	1666.5	1696.4	1701.8	1740.3	1663.8	1718.1	1689.1	1663.8
40°	1509.2	1509.2	1515.6	1555.0	1578.6	1610.3	1651.5	1577.7	1624.3	1594.4	1555.9
45°	1382.8	1355.2	1352.0	1416.8	1453.5	1492.9	1534.2	1494.8	1523.7	1480.7	1457.1
50°	1222.9	1224.3	1199.8	1261.4	1318.0	1376.5	1417.3	1378.8	1411.8	1381.9	1332.1
55°	1063.0	1043.9	1037.6	1125.9	1195.3	1272.7	1299.9	1285.9	1301.7	1283.6	1205.7
60°	895.3	874.0	890.3	985.9	1062.5	1154.9	1193.9	1183.0	1169.0	1143.2	1095.1
65°	734.0	691.9	730.4	839.6	939.7	1030.8	1073.8	1088.8	1071.1	1034.0	960.1
70°	553.7	516.5	569.1	685.5	812.4	905.7	956.5	971.4	961.0	911.6	823.7
75°	394.6	333.9	415.0	560.0	701.4	791.6	855.4	879.5	854.1	815.6	713.2
80°	269.1	182.6	277.7	436.8	573.2	692.8	751.7	779.8	757.1	692.3	601.3
85°	172.6	60.3	172.2	324.4	479.4	599.9	657.9	686.9	665.6	609.4	496.6
90°	93.3	6.8	110.6	253.3	394.2	500.7	581.8	594.5	577.2	507.5	409.6
95°	64.3	0.5	63.9	177.6	324.9	433.6	497.9	535.1	510.6	438.6	337.6
100°	39.9	16.3	39.9	140.9	268.7	367.0	424.5	458.5	431.3	364.3	271.9
105°	35.3	8.6	37.2	114.6	218.4	297.2	361.1	397.8	369.3	314.0	228.8
110°	26.3	4.1	19.0	85.2	170.8	263.7	298.6	312.2	309.9	256.0	184.0
115°	21.3	15.0	0.0	75.2	140.0	209.8	240.6	274.6	260.1	204.8	131.4
120°	16.3	19.0	17.7	42.1	102.4	170.8	197.1	223.8	197.1	175.3	112.4
125°	24.9	8.2	29.5	13.1	93.8	147.3	170.8	170.4	171.7	141.8	105.1
130°	15.0	2.3	31.3	7.2	41.7	107.4	135.5	150.4	141.4	115.1	62.1
135°	19.0	7.7	18.6	22.2	18.1	67.5	119.6	112.8	120.1	85.2	11.8
140°	7.7	6.3	20.4	18.6	13.6	10.4	33.1	72.5	43.9	1.4	8.6
145°	27.6	10.9	25.4	34.0	17.7	23.6	19.0	9.1	22.2	0.5	2.7
150°	21.3	0.0	17.2	35.8	20.4	10.0	4.1	3.6	0.0	8.2	17.2
155°	19.5	3.6	32.2	33.5	21.3	39.4	24.5	15.4	24.9	28.5	22.2
160°	21.3	10.4	16.8	29.5	31.3	27.6	34.0	29.9	23.6	27.6	22.7
165°	27.2	12.2	8.6	26.7	25.4	25.4	21.7	26.7	19.5	25.4	9.1
170°	15.0	15.0	25.8	15.0	29.9	23.6	29.5	16.8	16.3	14.0	16.8
175°	10.9	6.8	16.3	12.2	17.7	14.5	20.8	17.2	18.6	13.1	26.7
180°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9



TEST NUMBER: P600885

CATALOG NUMBER: 8SLSTPSLC-UNV-MID-5000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2092.5	2092.5	2092.5
5°	2092.8	2073.8	2090.6
10°	2055.2	2055.2	2077.0
15°	2006.3	2023.5	2015.8
20°	1951.0	1956.9	1954.6
25°	1878.5	1878.5	1875.3
30°	1782.9	1787.4	1777.0
35°	1685.0	1680.5	1675.1
40°	1550.0	1553.2	1536.9
45°	1426.8	1429.1	1391.4
50°	1287.2	1275.0	1232.4
55°	1140.4	1118.7	1077.0
60°	1000.4	940.2	921.6
65°	861.8	781.1	730.4
70°	714.1	627.5	558.7
75°	572.7	446.3	372.9
80°	453.1	313.1	211.1
85°	355.2	184.9	68.9
90°	274.1	118.7	16.8
95°	203.4	59.8	30.4
100°	150.9	38.5	2.3
105°	110.1	35.3	3.6
110°	81.1	21.7	7.2
115°	78.8	24.9	7.7
120°	50.3	20.8	13.1
125°	15.9	30.4	10.0
130°	4.5	7.7	6.8
135°	24.9	17.7	13.1
140°	25.4	16.3	15.0
145°	23.1	27.2	11.3
150°	15.9	23.6	0.0
155°	25.4	16.8	7.7
160°	13.1	11.8	8.2
165°	21.3	17.2	9.1
170°	21.7	10.0	9.1
175°	6.3	8.6	12.7
180°	12.9	12.9	12.9



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270° - · - · 135°-315°











(END OF REPORT)